

IMAGE SIGNAL PROCESSING APPARATUS AND METHOD THEREOF

ABSTRACT OF THE DISCLOSURE

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An image signal processing apparatus and a method thereof capable of preventing erroneous detection and performing IP conversion at a high accuracy, comprising deciding a function for expressing a moving quantity by an absolute value of a difference of two data, finding a larger value of a moving quantity of data of a pixel A in the present field at the same position as a pixel R whose motion is to be detected and data of a pixel D at the same position after a two-field delay, a moving quantity of data of a pixel B after a one-field delay one line above the pixel R and data of a pixel E at the same position after a three-field delay, and a moving quantity of data of a pixel C after a one-field delay one line below the pixel R and data of a pixel F at the same position after a three-field delay and a larger value of a moving quantity of data obtained by intra-field interpolation from pixels B and C and data of the pixel D and a moving quantity of the data of the pixel A and D, and using the smaller one of the two larger values as the moving quantity of the pixel R.

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